

Title (en)

METHOD AND APPARATUS FOR TRANSMITTING DATA IN DIFFERENTIAL AND PHANTOM MODE IN VECTORING DSL

Title (de)

VERFAHREN UND VORRICHTUNG ZUR ÜBERMITTLUNG VON DATEN IM DIFFERENTIELLEN UND IM PHANTOM MODUS BEI VECTORING DSL

Title (fr)

PROCÉDÉ ET APPAREIL POUR TRANSMETTRE DES DONNÉES DANS UN MODE DIFFÉRENTIEL ET FANTÔME DANS UN DSL VECTORISÉ

Publication

**EP 3266108 B1 20190814 (EN)**

Application

**EP 16706864 A 20160226**

Priority

- EP 15275058 A 20150302
- EP 2016054167 W 20160226

Abstract (en)

[origin: WO2016139156A1] A transmitter device 16 for transmitting data to a plurality of receiver devices 51, 52, 53, each of which is connected to the transmitter device via at least one respective pair of wires 21, 22, 23, each receiver device being operable to receive signals detected as a change over time in the potential difference across the local ends of each respective pair of wires extending between the receiver device and the transmitter device, the transmitter device being operable to transmit signals onto the wires extending between the transmitter device and the plurality of receiver devices in a plurality of different modes, over a plurality of different channels, the different modes including phantom and differential modes and the different channels including a first set of phantom channels, the transmitter comprising a phantom channel selector 1690 for selecting a second set of one or more phantom channels from the first set, the second set being a proper subset of the first set comprising one or more of the phantom channels of the first set, the selection being made in dependence upon the cross-talk coupling between the phantom channels of the first set and the reception of signals at each of the receivers detected as a change over time in the potential difference across the local ends of the respective pair of wires extending between the respective receiver device and the transmitter device; and a connector 1670 for connecting the selected phantom channels to the transmitter such that the transmitter is able to transmit signals from the transmitter onto the phantom channel or channels of the second set of phantom channels.

IPC 8 full level

**H04B 3/32** (2006.01); **H04L 45/122** (2022.01)

CPC (source: CN EP US)

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DOCDB simple family (publication)

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